



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁶ :

C02F 1/28, B01J 20/08

A1

(11) International Publication Number:

WO 99/47456

(43) International Publication Date: 23 September 1999 (23.09.99)

(21) International Application Number: PCT/AU99/00173

(22) International Filing Date: 18 March 1999 (18.03.99)

(30) Priority Data:

PP 2428

18 March 1998 (18.03.98)

AU

(71) Applicants (for all designated States except US): THE AUSTRALIAN NATIONAL UNIVERSITY [AU/AU]; Acton, ACT 2601 (AU). AUSTRALIAN WATER TECHNOLOGIES PTY LTD. [AU/AU]; Level 1, 339-341 Pitt Street, Sydney, NSW 2000 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SHANKER, Sivaraj [AU/AU]; 16-A Cambridge Street, Willoughby, NSW 2068 (AU). BUSTAMANTE, Heriberto Alejandro [CL/AU]; 1 Barjadda Avenue, Sylvania, NSW 2224 (AU). PASHLEY, Richard, Mark [AU/AU]; 44 Bindaga Street, Aranda, ACT 2614 (AU). KARAMAN, Marilyn, E. [AU/AU]; 105 Bandjalong Crescent, Aranda, ACT 2614 (AU).

(74) Agents: HUGHES, E., John, L. et al.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

(54) Title: METHOD OF WATER PURIFICATION

(57) Abstract

The invention provides a method for the removal of biological species, such as *Cryptosporidium*, from water using aluminium based media which contains surface Al-OH groups.